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**From:** Cosler, Doug [Doug.Cosler@TechLawInc.com]  
**Sent:** 5/22/2017 8:07:51 PM  
**To:** d'Almeida, Carolyn K. [dAlmeida.Carolyn@epa.gov]; Wayne Miller [Miller.Wayne@azdeq.gov]; Davis, Eva [Davis.Eva@epa.gov]; Dan Pope [DPope@css-inc.com]; Bo Stewart [Bo@praxis-enviro.com]; Jennings, Eleanor [Eleanor.Jennings@parsons.com]  
**CC:** Henning, Loren [Henning.Loren@epa.gov]  
**Subject:** RE: Draft transmittal letter for model  
**Attachments:** ST12 Joint agency EBR model\_djc.ltr.docx

I agree with Eleanor. I made a couple of minor edits (in blue) in the attached "djc" version. Two questions I had were:

- The letter said that AMEC used only one value of LNAPL mass transfer coefficient. They actually did not use a mass transfer coefficient; AMEC assume equilibrium between the LNAPL and groundwater hydrocarbon concentrations. This is equivalent to an "unlimited" mass transfer rate, which is how I modified the attached text.
- Last Friday Bo re-evaluated the mass transfer rate for the LSZ to a lower value than that associated with the 8-23 year TOR cited in the letter. Mass transfer rates were not measured in the UWBZ. I didn't know whether you've discussed this with Bo, whether he is suggesting using this lower rate for TOR estimates in the UWBZ and LSZ, or whether you've decided to stick with the 0.05 1/days mass transfer rate that was used to give the estimates cited in the letter.

Doug

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**From:** d'Almeida, Carolyn K. [mailto:dAlmeida.Carolyn@epa.gov]  
**Sent:** Monday, May 22, 2017 12:34 PM  
**To:** Wayne Miller <Miller.Wayne@azdeq.gov>; Davis, Eva <Davis.Eva@epa.gov>; Dan Pope <DPope@css-inc.com>; Cosler, Doug <Doug.Cosler@TechLawInc.com>; Bo Stewart <Bo@praxis-enviro.com>; Jennings, Eleanor <Eleanor.Jennings@parsons.com>  
**Cc:** Henning, Loren <Henning.Loren@epa.gov>  
**Subject:** Draft transmittal letter for model

Heres a draft cover letter to transmit the modeling report to AF, based upon language Dan drafted last week. I think it covers the bases, but let me know if there is anything else that should be said up front.

Carolyn d'Almeida  
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US EPA Region 9  
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*"Because a waste is a terrible thing to mind..."*